

Title (en)

Applicator and method for dispensing a viscous fluid

Title (de)

Applikator und Verfahren zur Ausgabe einer viskosen Flüssigkeit

Title (fr)

Applicateur et procédé de distribution d'un fluide visqueux

Publication

**EP 2868394 B1 20170823 (EN)**

Application

**EP 14190545 A 20141027**

Priority

- US 201361898092 P 20131031
- US 201414516886 A 20141017

Abstract (en)

[origin: EP2868394A1] An applicator (10) for dispensing a first viscous fluid includes a support structure (18), a cartridge (14) including a first wall (38) and a first interior space (42). The first interior space (42) receives a first collapsible tube (40) holding the first viscous fluid. The first collapsible tube (40) is formed from a flexible material and has a length with generally opposite sidewall portions defined along the length. The first collapsible tube is positioned against the first wall (38) and further includes a closed end (50) and a dispensing end (48). An actuator (20) is operatively coupled to the support structure (18) and moves through the interior space (42) of the cartridge (14) along the length of the collapsible tube and against one of the generally opposite sidewall portions to compress the one generally opposite sidewall portion against the other sidewall portion along the length and squeeze the viscous fluid from the dispensing end (48).

IPC 8 full level

**B05C 17/005** (2006.01); **B05C 17/01** (2006.01)

CPC (source: EP US)

**B05C 17/00553** (2013.01 - EP US); **B05C 17/00566** (2013.01 - EP US); **B05C 17/00576** (2013.01 - EP US); **B05C 17/00583** (2013.01 - EP US); **B05C 17/01** (2013.01 - EP US); **B05C 17/00596** (2013.01 - EP US); **B05C 17/0116** (2013.01 - US)

Citation (examination)

- DE 2111962 A1 19720914 - SCHLINGELHOFF WALTER
- US 2012267394 A1 20121025 - PIERSON PAUL RICHARD [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2868394 A1 20150506**; **EP 2868394 B1 20170823**; CN 104590759 A 20150506; CN 104590759 B 20190628; US 2015114986 A1 20150430; US 9527106 B2 20161227

DOCDB simple family (application)

**EP 14190545 A 20141027**; CN 201410602642 A 20141031; US 201414516886 A 20141017